I & Final Bill **M. A. R. 57 (Rule 116)** Work code : 005-19-000017

Measurement Book **No. B** Est cost Rs - 2.50 Lakh

Serial No. ..... Repair Works of Public Toilets At Agrahara 495422

Name of Work ..... Layout MB ..... From Vinayakanagara To in ward No. 05.

Name of Contractor of nature of Agency ..... Sri. Narayanarao. S .....

Date of commencement of work ... N. Nagenahalli of Shivaramakaranahalara.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	B-Love - 560077.	
1	2	3	4	5	6	7	8
	Work order No. - BBMP/EE/BTP/WO/16/2019.20.						
	(1) Earthwork excavation for foundation & sewerlines water supply sanitary lines and electrical conduits either in pits or in trenches 1.5 m or above in width in hard soil exceeding 1.5 m in depth including dressing the bottom and sides & pitching shoring shoring the excavated soil clear from edges & excavation work upto 50 m after leaving 3 clear complex of for specification.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per Pre-measurement recorded vide Page No.. 495472 in this MB.					21.60 m³	
	Rate: 288:83						6238:72
②	Providing and installing as per site & work 63 mm (0.66) pre pipes & fittings (cpvc) including cost & Pipes and labour including lowering in trenches laying pipe to line level and perfect fixing as joints testing & approved before work all complete

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 495423

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Charges handling charges including encasing the Pipe about to a depth not less than 15cms with gravel or selected earth available from the excavation.						
	As per Pre-measurement recorded vide Page No. 495472 to 495473 in this MB.					48.00 MV	
	Page: 348:59						16732:32
(3)	Refilling available earth around Pipe lengths Cogether in layers not exceeding 20cms in depth Consolidating each deposited						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Laying by ramming under watering WBM lead upto 30 mm and c/c upto 1.80 mm including cost of all labour Complete as per specification.						
	By side item No. (v)					21.60 M²	1644 : 40
	Page. 76 : 13						
(w)	PVC door shutter fixing and fixing of door shutter made of rigid pvc extruded hollow section of 50mm x 200mm with the wall thickness of 1.0 mm ± 0.10mm easily divided into 4 nos with tongue and groove locking arrangement the shutter frame is made of 75 x 24 mm with wall thickness of 1.5 mm ± 0.10mm section welded and jointed at 4 corners						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

495424

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	WSH (25mm x 225mm Plastic Encased Horizontal Reinforced Battens Sheeted Reinforced Fabrication & the hardware is fixed on to the door shutter. WSH 2 Nos 8-8 mm Dia Steel Reinforced inside the door shutter during the door shutting at Check Points whenever necessary						
	① Agurahara Layout	4	0.75	-	2.10	6.30	
	② Vinayakanagara	6	0.75	-	2.10	9.45	
						15.75 M²	
	Rate · 1796 : 26						28291 : 09

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Providing and applying one coats wash oil bond distemper & approved brand and shade on wall surface including priming coats with distemper primer after thoroughly brooming the surface free from mortar and other foreign matter including the making the surface even and sand paper smooth coats & measuring taken complete as per specification.						
1.12.19	Agurahara Layout inside painting	4	2.09	-	3.00	25.08	
		4	2.70	-	3.00	32.04	
		242	1.20	-	0.30	1.44	
		242	2.09	-	0.30	2.80	

Material
Name
Name
Date
Date

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

495425

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Hiriyabennagara	2	7.15	-	3.00	42.90	
		2	1.50	-	2.10	6.30	
		2	1.50	-	2.10	6.30	
						116.53 m^2	
	Deduction.						
	Agurahara Layout Doors:	2	0.75	-	2.10	3.15	
		4	0.75	-	0.30	0.90	
	Ventilator	6	0.90	-	0.60	3.24	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ninayakanagara Doors.	2	0.75	-	2.10	3.15	
		1	1.50	-	2.10	3.15	
	Ventilators	6	0.90	-	0.60	3.24	
						16.83 m^2	
	Net Qty - (116.53 - 16.83)					= 99.70 m^2	
			Limited to			93.92 m^2	
	Page: 46:95						4409:54
(6)	Providing and finishing external walls in two coats over one coat of 100% acrylic Silicon glazed Primer						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

495426

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	WSR antifungal paint for RCC Coats to approved brand and shade to give an even shade after thoroughly brooming the surface free from to remove all dirt and loose powdered mesenial free from moss, moss and other foreign matter Coats of mesenial as per specification.						
	Agrahara layout	2	6.10	3.30	-	40.26	
	out side.	2	3.05	3.30	-	20.13	
	Vinayakanagara	2	7.62	3.30	-	50.29	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						110.68 m^2	
	Deduction.						
	Agrahara layout.						
	Doors.	2	0.75	-	2.10	3.15	
	V	4	0.90	-	0.60	2.16	
	Vinayakanagara						
	Doors	2	0.75	-	2.10	3.15	
	V	6	0.90	-	0.60	3.24	
						11.70 m^2	
	Net Qty - (110.68 - 11.70)				=	98.98 m^2	
			Limited to			75.42 m^2	
	Rate. 154 : 11						11622:97

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

495427

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Providing ceramic tiles of approved make shade and size for flooring treads & steps and landings laid on a bed of 12mm thick cement mortar 1:3 mix flush pointing with white cement using colour pigment including cost of materials & labour curing complete as per specification. 15x15 cm x 6mm thick.						
	Agrahara layout						
		4x4	1.20	2.10	-	40.32	
	Vinayakanagara.						
		6x4	1.20	2.10	-	60.48	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						100.80 m²	
	Deduction:						
	Agrahara layout	4	0.75	-	2.10	6.30	
	Vinayakanagara	6	0.75	-	2.10	9.45	
						15.75 m²	
	Net qty (100.80 - 15.75)				:	85.05 m²	
			Civil	ed	to	60.66 m²	
13/8/19	Page. 944:06						57266:67

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 495428

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing ceramic tiles of approved make grade and size for flooring treads & steps and risers laid on a bed of 12mm thick cement mortar 1:3 mix (with pointing with white cement using colour pigments if necessary) to proper curing complete as per specification given.						
	400 x 400 x 20mm.						
	Agrahara (400 sft.	4	1.20	1.20	-	5.76	
	Vinayakanagara	6	1.20	1.20	-	8.64	
	Base. 1202:27					14.40	M^2 17312:68

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Providing and fixing chlorinated poly vinyl chloride (CPVC) Pipes conforming to IS 15778 having thermal gradient by hot and cold water supply including all CPVC Plain and threaded fittings including fixing the Pipe with clamp at 1.00 mtr spacing including jointing of Pipes and fittings with one step CPVC solvent cement and fessing of joints complete. (Internal work exposed or wall) 20mm dia CPVC Pipe.						
	Agrahara layout	1	25.00	-	-	25.00	
	Vinayakanagara	1	35.00	-	-	35.00	
	Rate: 127:58					60.00 mtr	765h:8

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

495429

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents		Reference to last Measurement
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7		8
(10)	25 mm dia CPVC Pipe.							
	Agrahara Layout	1	14.00	-	-	14.00		
	Vinayakanagara	1	26.00	-	-	26.00		
						40.00	Mtr	6736:00
	Rate. 168:40							
(11)	32 mm dia CPVC Pipe.							
	Agrahara Layout	1	16.00	-	-	16.00		
	Vinayakanagara	1	24.00	-	-	24.00		
						40.00	Mtr	8777:20
	Rate. 219:43							

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	Providing and fixing CI Nahani trap & approved make conforming to ISI specification and construction & assembly in M.15 as per direction (Rate is inclusive & cost of materials and fixtures and conveyance & necessary labour & Spot)						
	Agrahara layout	2	-	-	-	2 nos	
	Vinayakanagara	2	-	-	-	2 nos	
						4 nos	1163:14
	Rate. 290 ÷ 87						
(13)	Providing and fixing in position brass grating of approved quality 15mm nominal bore including						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

495430

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost & all materials Labour and T&M & equipments with all leads complete as per specification.						
	Agrahara layout	4	-	-	-	4	
	Vinayakanagara	6	-	-	-	6	
						10 Nos	2357-60
	Page. 235 : 76						
(4)	Providing and placing of interface Polyethylene Water storage tanks as per IS 12701 1986 with manhole lid and suitable locking						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	arrangement making holes & suitable diameter for inlet outlet and other flow pipes including cost of all necessary labour transportation charges loss & carriages and fessing complete as per specification (for 1000 litres capacity).						
	Agrahara layout	1	—	—	—	1	
	Vinayakanagara	1	—	—	—	1	
						2 NOS	
	Rate. 86411:42						17282:8
(15)	Providing and fixing white vitreous china clay water closets European type (Pedestal type) small						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

495131

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With black solid plastic seat and CP brass hinges, rubber buffers to lids (as per approved make) with stainless steel/MS bracket, 10 mm diameter flush bend with stainless steel clamps overflow arrangements with special 28 mm measuring brass coupling and allround design painting 2 coats and bracket including cost of materials, labour complete as per specification etc., complete.						
	(1) Agraharara layout	2	–	–	–	2	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	② Vinayakanagara	2	-	-	-	2	
	Page · 5235 : 68					4 Nos	20942 : 1
25/9/19	cfFC						
	25/9/2019					Total Rs.	208434 :
	certificate. ① certified that the work done Satisfactory						
	② this bill amount has not been Claimed in any of previous bills.						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

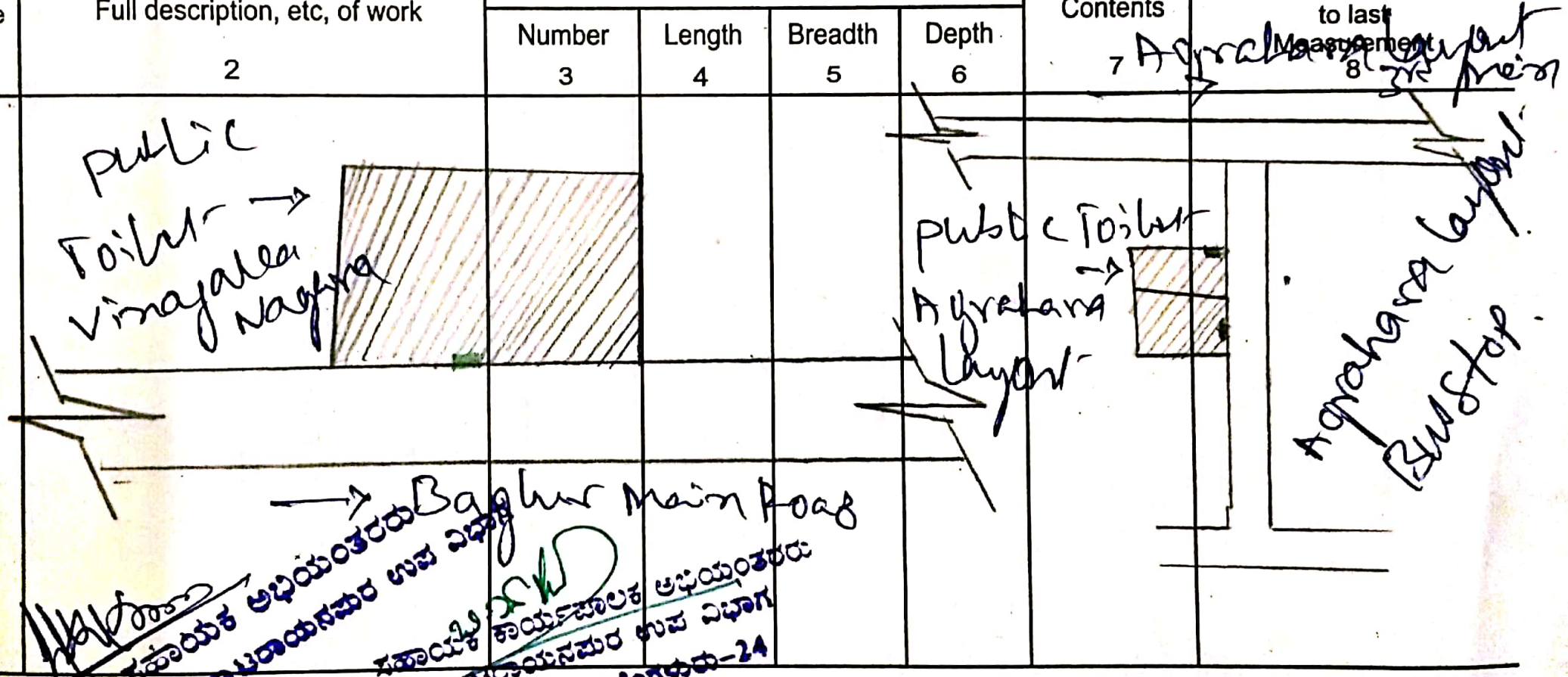
495432

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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